Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/18/2021 09:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124689	-1	1.85	124578	1.83
Blue	F	SSC	125000	124454	-1	3.73	124755	3.67
Blue	E	FITC	14400	13874	-4	2.56	319	15.22
Blue	D	PE	24713	24539	-1	2.06	562	10.51
Blue	B	PerCP-Cy5-5	31796	31132	-3	3.43	1032	14.31
Blue	A	PE-Cy7	21240	21354	0	5.48	569	28.17
Red	C	APC	41319	40831	-2	3.17	1709	11.50
Red	A	APC-Cy7	21019	20509	-3	3.49	774	11.49
Violet	B	V450	7305	7001	-5	3.68	433	12.86
Violet	A	V500	28652	27705	-4	3.24	698	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23214	1.91	561	-8	N/A	N/A	Pass
Blue	F	SSC	57946	2.10	516	4	N/A	N/A	Pass
Blue	E	FITC	58	50.63	488	-3	0.0407	0	Pass
Blue	D	PE	118	35.73	487	0	0.4415	299	Pass
Blue	B	PerCP-Cy5-5	190	35.41	582	-2	0.0209	74	Pass
Blue	A	PE-Cy7	113	66.72	630	0	0.0239	6	Pass
Red	C	APC	396	22.91	574	1	0.0266	47	Pass
Red	A	APC-Cy7	172	26.77	544	-1	0.0065	909	Pass
Violet	B	V450	60	64.70	452	-4	0.0549	2257	Pass
Violet	A	V500	100	32.58	466	-4	0.0246	564	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.58	-31.41	1.11
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.68	15.99 - 23.99	N/A	N/A	29.87	30.05	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10075

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments